

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended): A method for regeneration of articular cartilage comprising administering to an area in need of regeneration of said articular cartilage an osteochondral graft having applied thereto a composition consisting essentially of an amount of at least one purified bone morphogenetic protein (BMP) effective for the regeneration of said articular cartilage.

Claim 2 (cancelled)

Claim 3 (original): The method of claim 1 wherein said BMP is BMP-2.

Claims 4-5 (cancelled)

Claim 6 (previously presented): The method of claim 1 further comprising a protein which induces the formation of tendon or ligament tissue.

Claim 7 (previously presented): The method of claim 6 wherein said protein which induces the formation of tendon or ligament tissue is selected from the group consisting of BMP-12, BMP-13, members of the BMP-12 subfamily, and MP52.

Claim 8 (currently amended): A composition for regeneration of articular cartilage consisting essentially of ~~comprising~~ an osteochondral graft having applied thereto an amount of at least one purified bone morphogenetic protein (BMP) effective for the regeneration of said articular cartilage.

Claim 9 (cancelled)

Claim 10 (previously presented): The composition of claim 8 wherein said BMP is BMP-2.

Claims 11-12 (cancelled)

Claim 13 (previously presented): The composition of claim 8 further comprising a protein which induces the formation of tendon or ligament-like tissue.

Claim 14 (previously presented): The composition of claim 8 wherein said protein which induces the formation of tendon or ligament-like tissue is selected from the group consisting of BMP-12, BMP-13, members of the BMP-12 subfamily, and MP52.

Claim 15 (cancelled)

Claim 16 (previously presented): The method of claim 1 wherein said osteochondral graft is osteochondral allograft.

Claim 17 (previously presented): The method of claim 1 wherein said osteochondral graft is osteochondral autograft.

Claim 18 (cancelled)

Claim 19 (previously presented): The composition of claim 8 wherein said osteochondral graft is osteochondral allograft.

Claim 20 (previously presented): The composition of claim 8 wherein said osteochondral graft is osteochondral autograft.

Claim 21 (previously presented): A composition for the regeneration of articular cartilage said composition comprising an osteochondral graft having applied thereto an amount of BMP-2 effective for the regeneration of said articular cartilage.

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